

Title (en)  
LANDING GEAR JOINT LUBRICATION

Title (de)  
SCHMIERUNG EINES FAHRWERKSGELENKS

Title (fr)  
LUBRIFICATION DE JOINT DE TRAIN D'ATERRISSAGE

Publication  
**EP 3871973 A2 20210901 (EN)**

Application  
**EP 21158901 A 20210224**

Priority  
GB 202002726 A 20200226

Abstract (en)  
A pin assembly for insertion into a pin joint (4) of an aircraft landing gear (2) is disclosed. The pin assembly includes a reservoir (18) for storing a lubricating agent and a piston (22) mounted for reciprocal movement within the reservoir (18), the piston (22) dividing the reservoir into a first chamber (19a) and a second chamber (19b). A bi-directional flow path between the first and second chambers (19a, 19b) via the surface to be lubricated (33, 37) is provided by means of a first bi-directional flow path between the first chamber (19a) and the exterior of the pin assembly and a second bi-directional flow path between the second chamber (19b) and the exterior of the pin assembly. A pin assembly including an indicator system, and a pin insert in the form of a replaceable cartridge is also disclosed along with associated methods.

IPC 8 full level  
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Citation (applicant)  
• US 2008217107 A1 20080911 - SCHMIDT R KYLE [FR]  
• US 2003085321 A1 20030508 - RENIAU GREGORY [FR]

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**EP 3871973 A2 20210901**; **EP 3871973 A3 20211027**; GB 202002726 D0 20200408; GB 2592396 A 20210901; US 11993364 B2 20240528;  
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